Title (en)

ENERGY-SAVING STEEL PRODUCTION APPARATUS AND METHOD THEREOF

Title (de)

VORRICHTUNG FÜR ENERGIESPARENDE STAHLPRODUKTION UND VERFAHREN DAFÜR

Title (fr)

APPAREIL DE PRODUCTION D'ACIER À ÉCONOMIE D'ÉNERGIE ET PROCÉDÉ POUR CELUI-CI

Publication

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Application

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Abstract (en)

[origin: WO2012131736A1] The present invention relates to a energy- saving steel production apparatus, including an hot-rolling production line and a continuous casting equipment (5) for producing semi-manufactured products or billets, said production line and said equipment facing one each other and being connected through fast transport means (7) moving said billets. The invention also relates to a method for processing energy-saving steel, comprising the following steps: a. taking the steel to a casting temperature; b. casting said steel in suitable moulds for obtaining a semi-manufactured product; c. transferring directly said casted semi-manufactured product towards a rolling mill through fast transport means; d. taking said semi-manufactured product to a value of temperature corresponding to a maximum value of plasticity; e. subjecting said semi-manufactured product to a rolling process.

IPC 8 full level

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